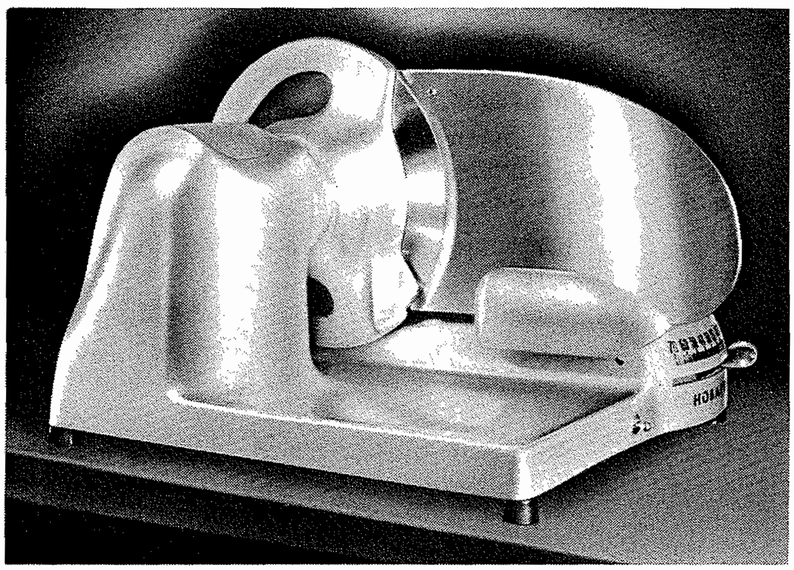
HOBART

INSTRUCTION MANUAL

... with Replacement Parts



MODEL 410 MEAT SLICER

ML-16495

A product of HOBART CORPORATION TROY, OHIO 45374

FORM 6878H (Rev. 8-77) (Supsds. F. 6878G, 5-73)

Instructions for Operation and Care of
HOBART MODEL 410 MEAT SLICER

INSTALLATION:

When the machine is packed for shipment, the four rubber feet are removed and sent along in a cloth bag. These feet may be readily reassembled. Sometimes it may be necessary to use the machine on a narrow table or back bar which does not afford support for all four feet. In this case, one of the unsupported feet may be moved to the tapped hole near the center of the base, so that the machine rests on three feet. If the surface upon which the Slicer rests is uneven, adjust the feet by turning them slightly.

In ordinary service, it will not be necessary to fasten the Slicer down, as the cup-shaped rubber feet prevent slipping. For mounting on shipboard, discard the feet, and bolt to the table with 5/16"-18 Cap Screws.

Before plugging into an electric socket the first time make sure that the electric specifications of the motor are the same as those of your service. The electrical specifications are stamped on a plate (1) that is inside the grinder compartment.

If cord and plug is not used with this machine electrical connections should be made by qualified workmen who will observe all applicable Safety Codes and the National Electrical Code.

When the slicer is not in use, always keep the slice adjusting handle (2) at zero, so that the knife is fully guarded.

THICKNESS OF SLICES:

Movement of the handle (2) adjust the thickness of the slices. To cut dried beef, set at No.1 or about half way between zero and the first line. For slicing bacon, set at 6 or 8, or wherever your customer likes it.

SLICING FOODS:

Put the bacon or material to be sliced in the carriage at (3), and lower the meat grip (4) upon it. Then start the motor and set the slice adjustment at the desired figure.

When slicing, stand at the adjusting end of the machine and grasp the handle (5) with your right hand. In this way you can feed the meat toward the gauge plate and slide the carriage back and forth past the revolving knife with the right hand while the left is free to arrange the slices on the receiving tray as they come from the knife.

As the meat is cut away, lift the grip and move it farther back for a new hold. When the meat remaining is only a few inches long, set the grip behind it and you can cut up to the last slice.

To hold the grip out of the carriage, lift it up as far as it will go and then slide it in toward the knife until it engages the lock pin.

CLEANING & SANITIZING:

Unplug electrical power cord and clean the surface of the machine daily. Make sure the Knife guards are in place and the slice adjusting knob is at zero when performing this operation.

WARNING: Observe the same care while working around the knife that you would use with any sharp-edged tool.

PROCEDURE:

1. Materials required:
   - 1.1 Small plastic two compartment pail.
   - 1.2 Clean cloths.
   - 1.3 Cleaner ("Soilax" All Purpose Cleaner).
   - 1.4 Sanitizer ("Mikro-Klene" iodophor sanitizer).
2. Cleaning (using "Soilax" and "Mikro-Klene"):
   - 2.1 Add two ounces of "soilax" All Purpose Cleaner to a gallon of hot water in wash side of two compartment pail.
   - 2.2 Mix rinse solution by adding two teaspoons of "Mikro-Klene" in one gallon of cool water in rinse side of pail.
   - 2.3 Wipe off large scraps of meat soil.
   - 2.4 Dip cloth into cleaning solution, then wring out cloth. Wipe the entire outside of slicer with cloth. Be sure to CAREFULLY wipe the gauge plate.
   - 2.5 Remove guards (see page 3).
   - 2.6 Carefully wash the front and rear of the knife with cloth that has been dipped in the cleaning solution.
   - 2.7 Wash the upper and lower guards.
   - 2.8 Rinsing and sanitizing can be done by going over all cleaned surfaces with a cloth that has been soaked in "Mikro-Klene" rinse solution and wrung out enough so that the solution does not run over the machine but still leaves it wet.
   - 2.9 Reassemble the lower knife guard, then the upper knife guard. Lock in place.
   - 2.10 Allow all surfaces to dry. Do not wipe. Cover slicer until next use.

2.11 Cloth used for rinsing should be sent to laundry, or discarded. Wash out pails.

CAUTION: Do NOT wash polished aluminum parts in dish or pan washer.

SHARPENING:

To sharpen the knife, follow the instructions below. Directions are also given here for removing the guards.

ADJUSTING FOR WEAR:

After many knife sharpenings, the gauge plate should be moved forward toward the knife. The knife edge angle can also be changed. Gauge plate screw heads are currently plugged and the gauge plate is sealed to the base to meet NSF approval. A center punch should be used to deflect the center of the plugs for removal. After gauge plate is moved forward it should be resealed at the base and the screw head plugs should be flattened and resealed to again meet NSF approval. Have a Hobart service technician perform these operations.

When the knife has been ground down to a diameter of 9-1/2 inches, it should be replaced by a new knife.

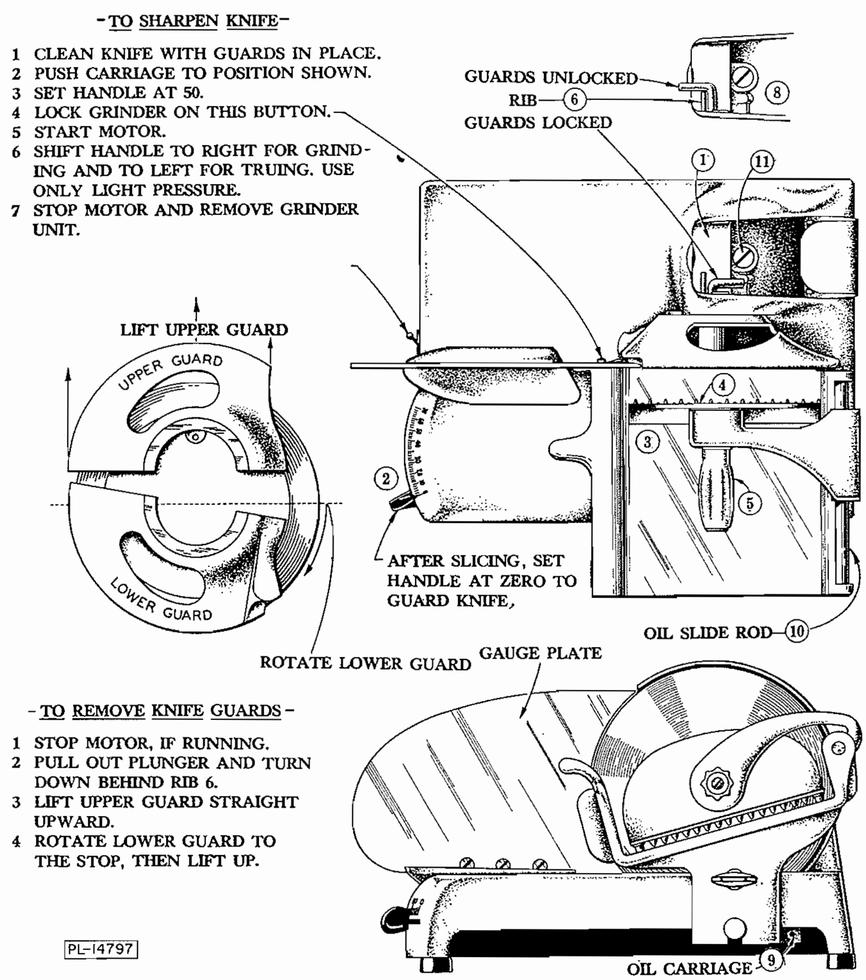
LUBRICATION:

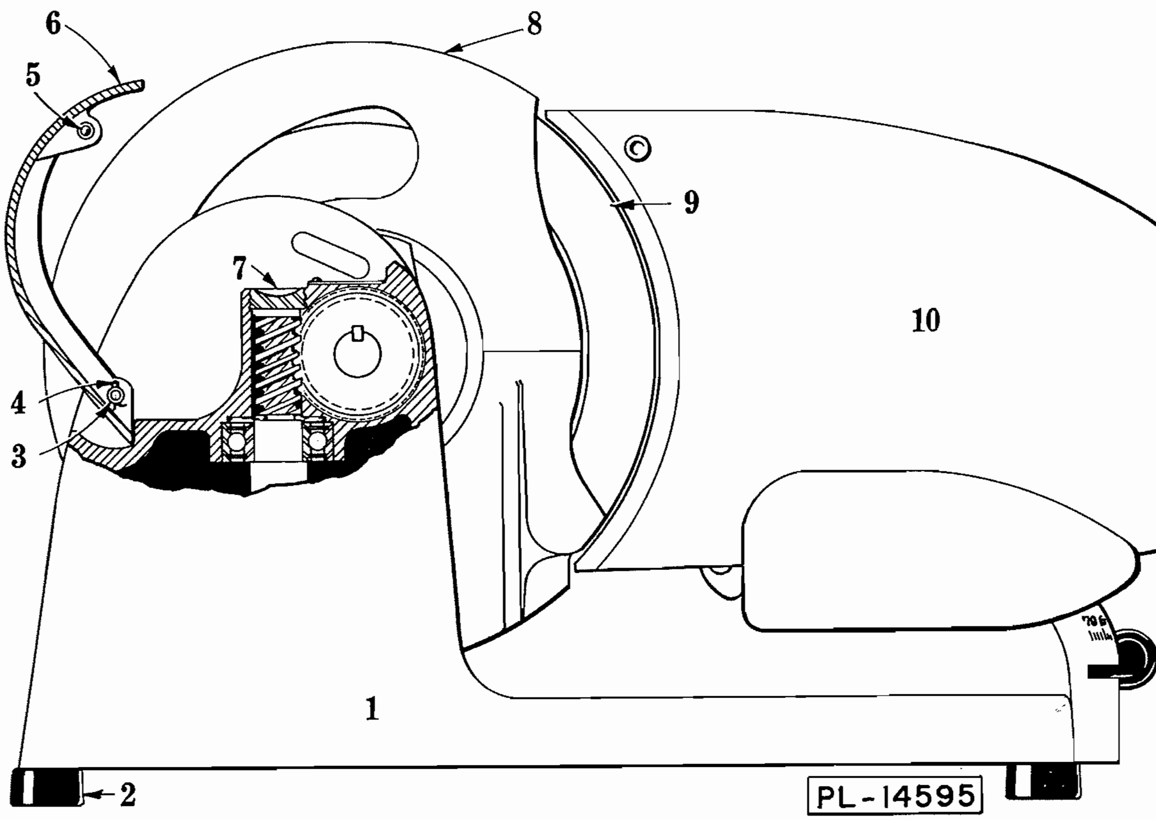
Very little lubrication is needed. The carriage slide rods are oiled by a wick system. Add a few drops of oil, such as Texaco "Havoline" at (9), once a month. An occasional drop of tasteless oil will be needed on the carriage slide rod (10) also.

The motor bearings and the knife shaft bearings are packed with grease and will not need additional lubricant the first year. After that a teaspoonful of grease may be added annually at (11). See Hobart lubrication chart for grease recommendations.

MOTOR:

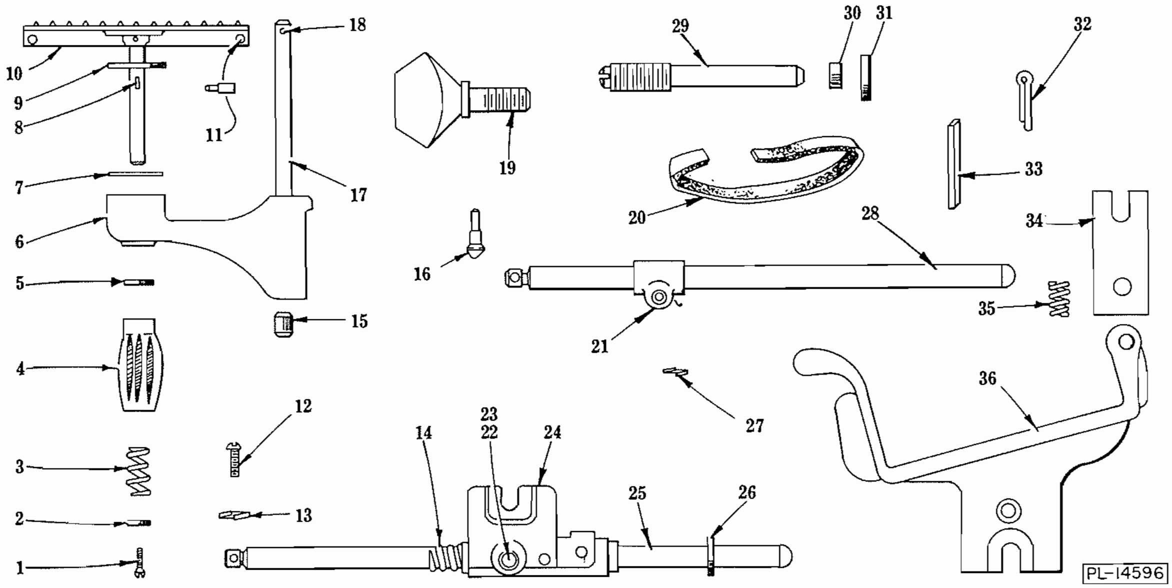
Motor parts are listed on separate motor Replacement Parts Sheet.





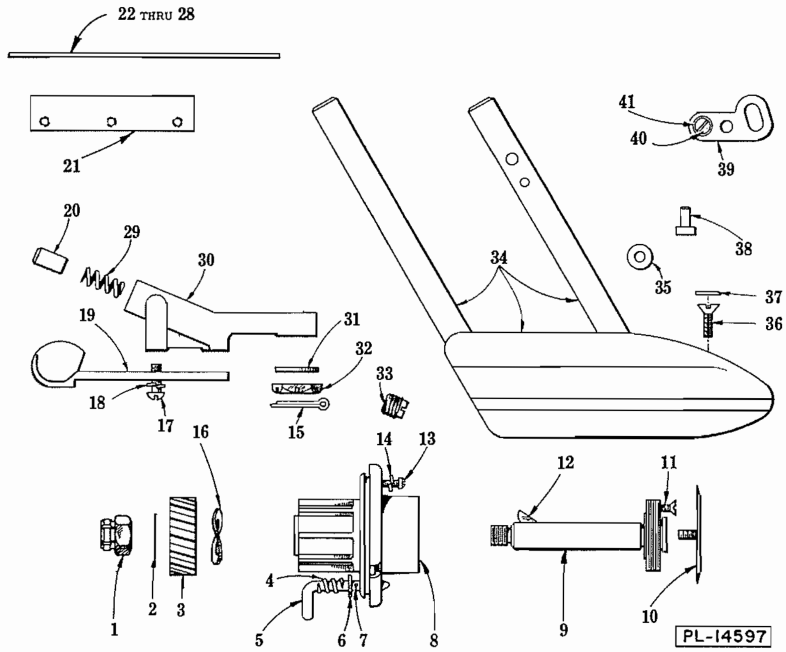
BASE UNIT

ILLUS. PL-14595	PART NO.	NAME OF PART	AMT.
1	A-107538	Base & Logo Sub-Assy. (Incls. items #3, 4, 5 & 6)	1
2	B-18682-1	Foot	4
3	V-18947	Pin - Hinge	1
4	PC-3-15	Cotter Pin - 1/16" x 5/16"	2
5	M-79686	Catch - Friction	2
6	D-121658	Lid - Grinder Housing	1
7	V-18958	Plug - Special	1
8	A-103763	Knife Guard Assy.	1
9	S-14125	Knife	1
10	S-111229	Gauge Plate & Pin Assy.	1



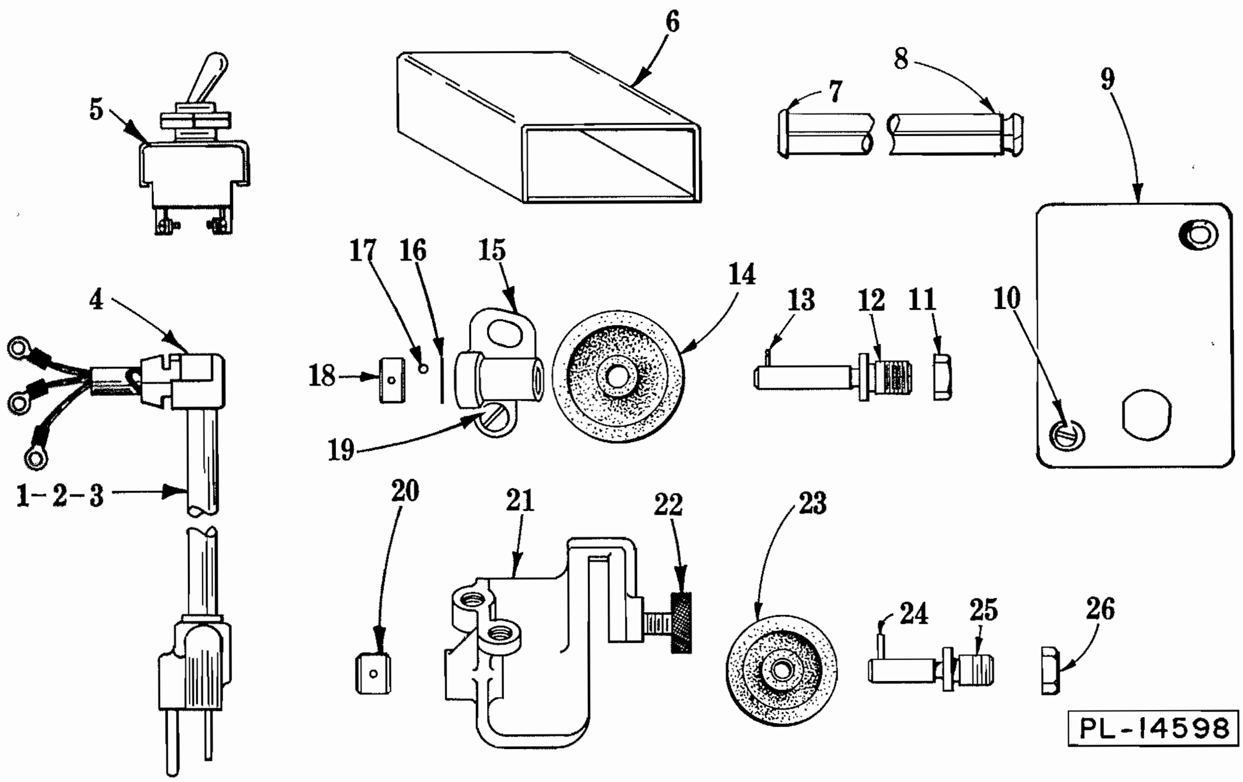
CARRIAGE UNIT

ILLUS. PL-14596	PART NO.	NAME OF PART	AMT.
1	SC-15-34	Mach. Screw - #10-24 x 1/2" Oval Hd.	1
2	V-10949-1	Washer	1
3	V-10818-1	Spring	1
4	M-13180-1	Handle - Carriage	1
5	WS-8-17	Washer	1
6	A-87813	Carriage Arm & Bushing Sub-Assy. (Incls. item #15)	1
7	V-19243-2	Washer (1/16" Thk.)	As Reqd.
8	KW-3-5	Key - #405 Woodruff	1
9	V-19243-1	Washer (1/32" Thk.)	1
10	B-103287	Meat Grip Sub-Assy.	1
11	M-18917-2	Slide - Meat Grip	2
12	SC-8-50	Mach. Screw - #12-24 x 5/8" Rd. Hd.	2
13	WL-3-28	Lock Washer - #12 x .062" x .047"	2
14	V-18902	Spring - Bumper	2
15	C-108394-32	Bushing (Carriage Arm)	2
16	M-21083	Pin - Latch (Carriage Arm)	1
17	V-18953-1	Rod - Slide (Carriage Tray)	1
18	SC-8-11	Mach. Screw - #10-24 x 3/4" Rd. Hd.	1
19	C-108197-13	Thumb Screw Assy.	1
20	V-18921	Wicking	1
21	V-18895-1	Bearing - Carriage (Small)	1
22	M-111251	Stud - Carriage Tray Support	1
23	NS-17-15	Jam Nut - 3/8"-16 Hex Fin.	1
24	P-24126	Large Carriage Bearing Assy. Unit (Incls. items #22 & 23)	1
25	P-23417-2	Rod - Slide (Long)	1
26	V-18946-1	Washer - Bumper	2
27	WL-3-22	Lock Washer - #10 x .055" x .040"	1
28	P-23418-2	Rod - Slide (Short)	1
29	V-18908	Stud - Pivot (Carriage Brg.)	1
30	V-20390	Cushion - Carriage Brg.	2
31	WS-4-47	Washer	2
32	PC-3-36	Cotter Pin - 3/32" x 1"	2
33	V-18922	Strip - Retaining	1
34	M-24038	Bar - Clamp	1
35	V-20598	Spring - Clamp Bar	1
36	R-24100	Carriage Tray Assy. Unit (Incls. items #16, 19, 34 & 35)	1



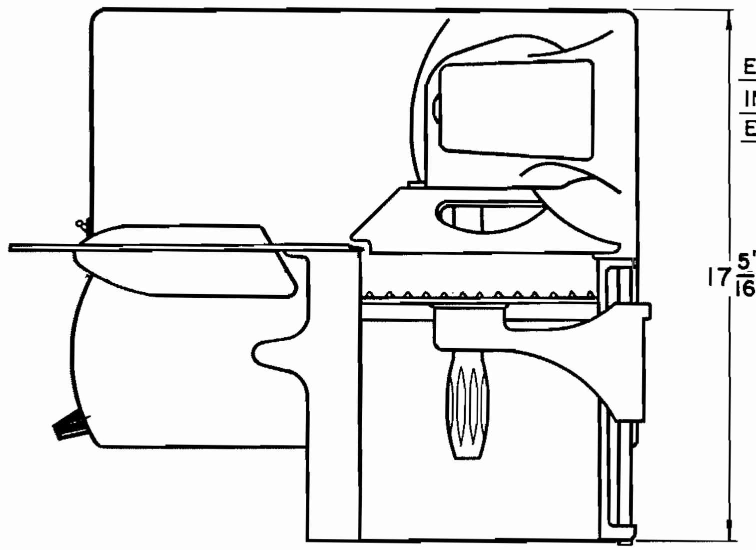
KNIFE HUB AND GAUGE PLATE ADJ. UNIT

ILLUS. PL-14597	PART NO.	NAME OF PART	AMT.
1	NS-32-29	Stop Nut - 1/2" "Flexloc"	1
2	WS-8-9	Washer	1
3	M-18903	Gear - Spiral (26T)	1
4	V-18945	Spring - Plunger	1
5	V-18914	Plunger - Knife Guard	1
6	WS-4-17	Washer	1
7	PG-3-7	Groov-Pin - Type #1, 3/32" x 7/16"	1
8	B-121070	Hub - Knife Shaft	1
9	P-18900	Shaft - Knife	1
10	P-66648	Disc - Cover	1
11	SC-22-39	Cap Screw - 1/4"-20 x 5/8" Flat Hd.	3
12	KW-3-5	Key - #405 Woodruff (60 Hz. & D. C.)	1
13	SC-11-63	Mach. Screw - #12-24 x 1" Fil. Hd.	4
14	WL-3-28	Lock Washer - #12 x .062" x .047"	4
15	PC-4-18	Cotter Pin - 3/32" x 1-1/4"	1
16	M-21881	Washer - Wave	1
17	SC-8-10	Mach. Screw - #10-24 x 1/2" Rd. Hd.	2
18	WL-3-22	Lock Washer - #10 x .055" x .040"	2
19	C-120871	Handle - Adjusting	1
20	V-18920	Plug - Friction	1
21	V-18919	Strip - Ret. (Gauge Plate)	1
22	B-122559-1	Shim - Ret. Strip (.0075" Thk.)	As Reqd.
23	B-122559-2	Shim - Ret. Strip (.010" Thk.)	As Reqd.
24	B-122559-3	Shim - Ret. Strip (.0125" Thk.)	As Reqd.
25	B-122573-1	Shim - Ret. Strip (.002" Thk.)	As Reqd.
26	B-122573-2	Shim - Ret. Strip (.003" Thk.)	As Reqd.
27	B-122573-3	Shim - Ret. Strip (.004" Thk.)	As Reqd.
28	B-122573-4	Shim - Ret. Strip (.005" Thk.)	As Reqd.
29	V-18949	Spring - Friction Plug	1
30	P-18893	Arm - Adjusting	1
31	WS-8-9	Washer	1
32	V-14198	Nut - Special	1
33	V-18950	Stud - Friction Plug Adjusting	1
34	D-120447	Base & Slide Rod Assy.	1
35	WS-2-18	Washer	2
36	SC-22-26	Mach. Screw - #12-24 x 1/2" Flat Hd.	3
37	M-80926	Plug (Covers Screw Head) (See Instructions For Removal)	3
38	V-18952	Roller - Adj. Plate	1
39	M-18951	Plate - Adjusting	1
40	SC-13-49	Mach. Screw - #10-24 x 5/8" Flat Hd.	1
41	WL-9-1	Lock Washer - #10 Csk. Shakeproof	1



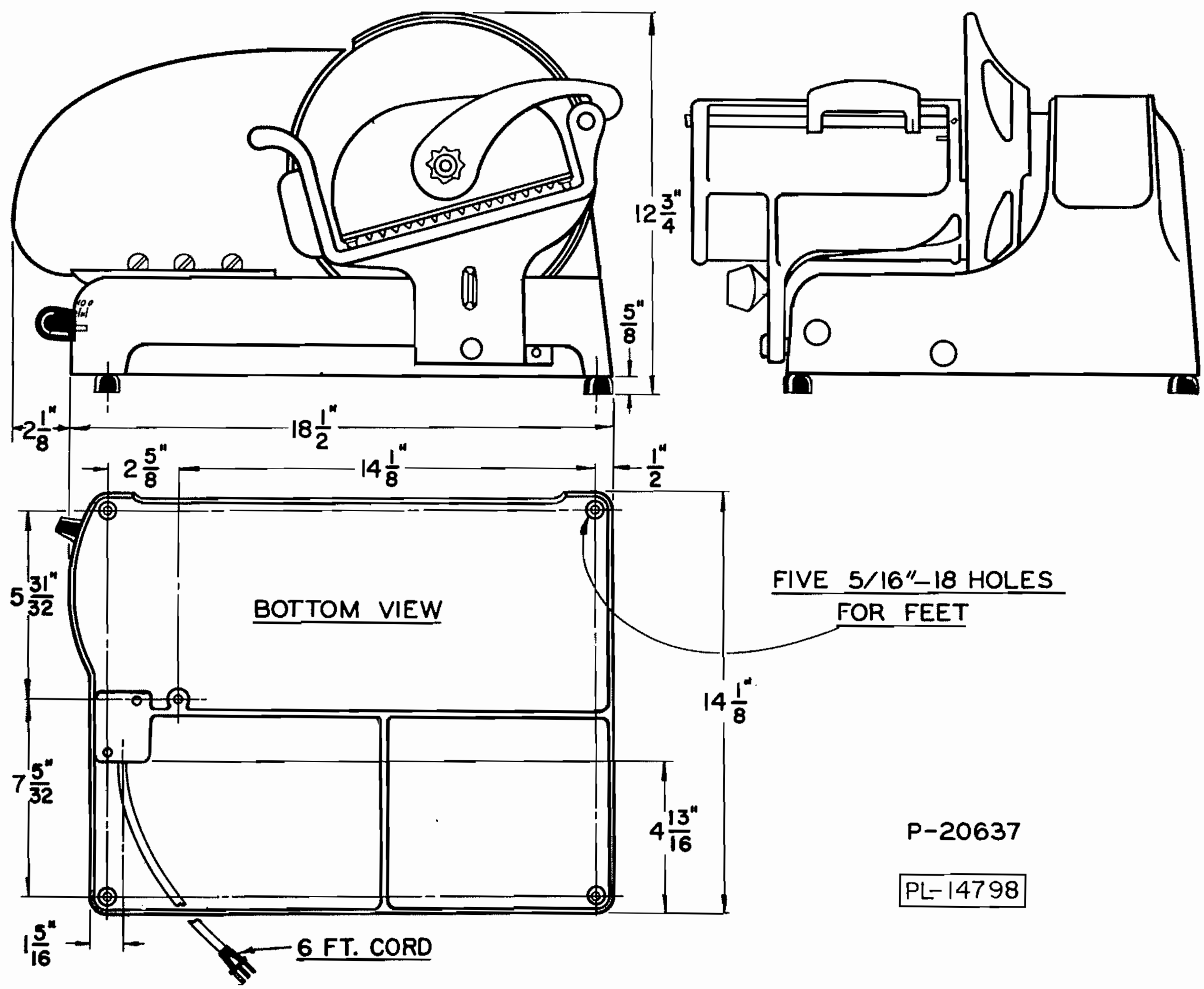
GRINDER AND SWITCH UNITS

ILLUS. PL-14598	PART NO.	NAME OF PART	AMT.
1	B-117542-7	Cord & Plug (3 Cond., Under 150 V.)	1
2	B-117542-12	Cord & Plug (3 Cond., 200-250 V.)	1
3	B-117542-17	Cord Assy. (I.E.C.)	1
4	FE-15-5	Strain Relief	1
5	P-87711-145-1	Switch	1
6	B-120857	Insulator - Switch	1
7	BF-2-1	Bushing - 3/8" Anti-Short	2
8	V-18943-1	Conduit (60 Hz.)	1
9	B-122774	Cover - Switch Box	1
10	SC-13-37	Mach. Screw - #8-32 x 3/8" Flat Hd.	2
11	V-18944-2	Nut - Wheel Retaining	1
12	M-120233	Shaft - Grinding Wheel	1
13	PG-3-8	Groov-Pin - Type #1, 3/32" x 1/2"	1
14	V-18880	Wheel - Grinding	1
15	P-24408	Carrier - Grinding Wheel	1
16	WS-3-40	Washer	1
17	BA-2-1	Ball - 1/8" Dia. Steel	9
18	V-13199	Collar - Grinding Shaft	1
19	SC-8-10	Mach. Screw - #10-24 x 1/2" Rd. Hd.	2
20	V-18912	Collar - Thrust	1
21	P-18892	Carrier - Truing Wheel	1
22	V-18911	Thumb Screw - 1/4"-20	1
23	V-18881	Wheel - Truing	1
24	PG-3-7	Groov-Pin - Type #1, 3/32" x 7/16"	1
25	V-18913	Shaft - Truing Wheel	1
26	V-18944-1	Nut - Wheel Retaining	1
	M-120280	Grinding Wheel Carrier Sub-Assy. Unit (Incls. items #12, 13, 15, 16, 17 & 18)	1
	M-61740	Sharpening Unit Sub-Assy. (Incls. items #11 thru 26)	1



WARNING

ELECTRICAL CONNECTIONS SHOULD BE MADE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE



INSTALLATION DIAGRAM